

[54] **BOUNCELESS SWITCH APPARATUS**

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Related U.S. Application Data

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[58] Field of Search **338/69, 99, 100, 114; 200/5 A, 264; 340/365 A; 252/518; 84/DIG. 7**

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[57] **ABSTRACT**

A pressure responsive, variable resistance, analog switch has first and second conductors interleaved in spaced-apart relationship and disposed on a base member. An insulative spacer ring is positioned around and rises above the first and second conductors. A resilient cover sheet is attached to the top of the insulative spacer ring in spaced relationship over the conductors to define an enclosure between the resilient cover sheet and the base member. A pressure sensitive resistive conductor composition is disposed on the resilient cover sheet or on the conductors in the enclosure to interconnect a resistance between the first and second conductors when the resilient cover sheet is depressed against the conductors. The amount of resistance so interconnected varies inversely to the amount of pressure exerted.

6 Claims, 8 Drawing Figures

